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**CS 340 README Animal Shelter**

**Project Two: Animal Shelter**

The purpose of this application is to allow the user access to the animal database from CS 340, Austin Animal Center (AAC), to search and filter the database. The user would search using a filter for animals via Grazioso Salvarethe. This project also allows the user access to the geolocation mapping, user interaction and charts to locate and utilize animals for search and rescue.

**Motivation**

This program tested my skill in working with databases and manipulating the data within. The coding language for Mongodb is Python, it is easily written, and works well with Mongodb. To add on to that, Python can be compiled in a quick and timely manner.

**Getting Started**

To get started you would need to enter the terminal and access Mongo. Following this step would be importing the CSV file, which for this project was the aac\_shelter\_outvome.csv. Next, you would need to create a simple and complex index to parse the data, so it is stored within the document. The next step would to be authenticate a user who would be created as an admin account as well as an aacuser account so you can access the database. Finally having access or to install Python and run the program out of a notebook is what is needed to be able to access and connect to the address of the dash.

**Installation**

A current version of Python and Jupyter Notebook to run both the .py and the. ipynb files.

Access to the PyMongo, Dash, Plotly, Pandas, And Leaflet libraries to create functions in the dash.

MongoDB - to access the database.

**Usage**

*Use this space to show useful examples of how your project works and how it can be used. Be sure to include examples of your code, tests, and screenshots.*

**Code Example**

A screenshot of a computer code

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